DRAWMER

HQ-r Remote for HQ Pre-Amplifier / DAC

OPERATOR'S MANUAL

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ONE YEAR LIMITED WARRANTY

Drawmer Electronics Ltd., warrants the Drawmer HQ-r Remote to conform substantially to the specifications of this manual for a period of one year from the original date of purchase when used in accordance with the specifications detailed in this manual. In the case of a valid warranty claim, your sole and exclusive remedy and Drawmer's entire liability under any theory of liability will be to, at Drawmer's discretion, repair or replace the product without charge, or, if not possible, to refund the purchase price to you. This warranty is not transferable. It applies only to the original purchaser of the product.

For warranty service please call your local Drawmer dealer. Alternatively call Drawmer Electronics Ltd. at +44 (0)1709 527574. Then ship the defective product, with transportation and insurance charges prepaid, to Drawmer Electronics Ltd., Coleman Street, Parkgate, Rotherham, S62 6EL UK. Write the RA number in large letters in a prominent position on the shipping box. Enclose your name, address, telephone number, copy of the original sales invoice and a detailed description of the problem. Drawmer will not accept responsibility for loss or damage during transit.

This warranty is void if the product has been damaged by misuse, modification or unauthorised repair.

THIS WARRANTY IS IN LIEU OF ALL WARRANTIES, WHETHER ORAL OR WRITTEN, EXPRESSED, IMPLIED OR STATUTORY. DRAWMER MAKES NO OTHER WARRANTY EITHER EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR NON-INFRINGEMENT. PURCHASER'S SOLE AND EXCLUSIVE REMEDY UNDER THIS WARRANTY SHALL BE REPAIR OR REPLACEMENT AS SPECIFIED HEREIN.

IN NO EVENT WILL DRAWMER ELECTRONICS LTD. BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM ANY DEFECT IN THE PRODUCT, INCLUDING LOST PROFITS, DAMAGE TO PROPERTY, AND, TO THE EXTENT PERMITTED BY LAW, DAMAGE FOR PERSONAL INJURY, EVEN IF DRAWMER HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Some states and specific countries do not allow the exclusion of implied warranties or limitations on how long an implied warranty may last, so the above limitations may not apply to you. This warranty gives you specific legal rights. You may have additional rights that vary from state to state, and country to country.

DRAWMER

HQ-r

Remote for Drawmer HQ

SAFETY CONSIDERATIONS

CAUTION - CABLE

USE ONLY THE CABLE THAT IS SUPPLIED IN THE BOX

CAUTION - CONNECTION

DO NOT ATTEMPT TO CONNECT THE CABLE TO ANYTHING OTHER THAN THE IN/REMOTE SOCKET ON THE REAR OF THE DRAWMER HQ.

CAUTION - SERVICING

DO NOT PERFORM ANY SERVICING. REFER ALL SERVICING TO QUALIFIED SERVICE PERSONNEL.

WARNING

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.

In the interests of product development, Drawmer reserve the right to modify or improve specifications of this product at any time, without prior notice.

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HQ-r REMOTE FOR DRAWMER HQ PRE-AMPLIFIER / DAC

Are you hearing what we're hearing ?
How good is your Monitor Preamp ?

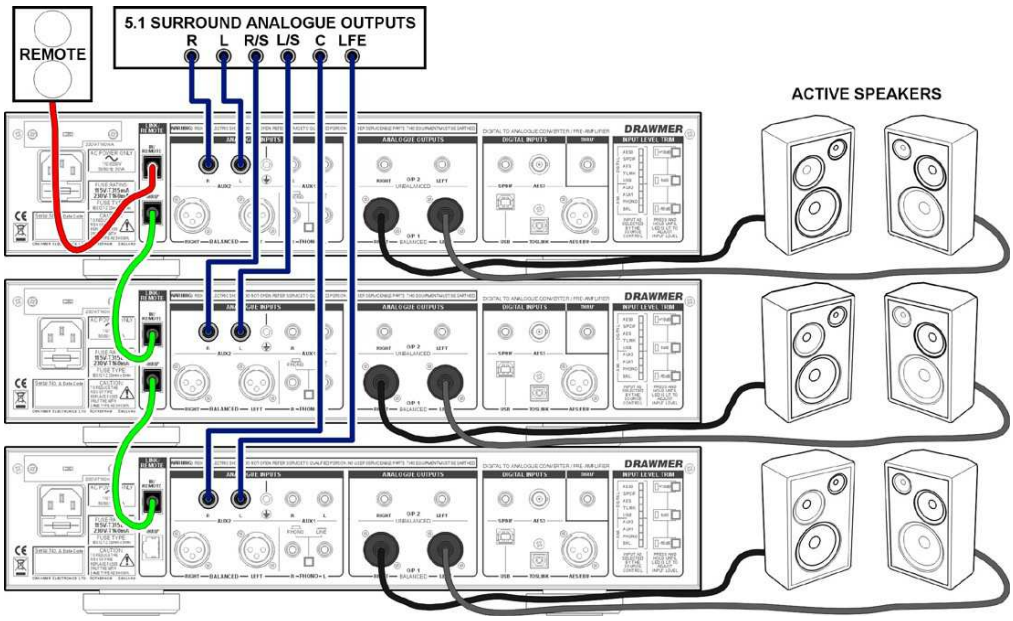
The HQ range consists of three aesthetically and functionally complimentary products that can be used independently or linked to provide multiple channels and remote operation. The three products are the **HQ** - stand-alone, with all controls on the front panel; the **HQ-r** - a desktop control surface for both the HQ and HQ-b; and the **HQ-b** - has no controls on the front panel but is operated by either the HQ or HQ-r. In this way several modular options are available to suit your specific requirements and setup, for example, in a studio several HQ-b's can be mounted in a rack but controlled from the desktop using the HQ-r.

The inclusion of the HQ-r remote takes the HQ to a new level of control by converting the high end pre-amplifier/DAC into a fully featured control surface for your analogue or digital mastering studio. In addition to the controls found on the HQ, such as speaker selection, and volume control, the HQ-r remote also provides Dim, Mute, Mono, preset volume levels, and a display accurate to 0.5dB steps.

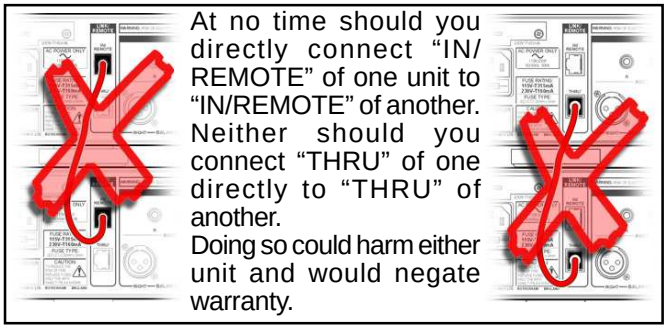
- **<> Remote operation and linking for multi-channel systems**
- **<> Intelligent source select allows A-B comparisons.**
- **<> Illuminated for easy efficient operation**
- **<> Adjustable Preset Volume Levels for instant preferred listening levels**
- **<> LED Diplay readout accurate in 0.5dB steps.**
- **<> Provides Dim, Mute and Mono controls, in addition to those found on the HQ**

The Drawmer HQ sets a new standard in monitor Preamps, by combining a state of the art DAC with superior analog design and an ingenious control system.

REMOTE OPERATION & LINKING FOR SURROUND



On the rear of the HQ there are two RJ45 connectors that allow it to be remotely operated, via the HQ-r remote and also to link several HQ's together.
To use the remote option, ensure that all units are switched off, then plug in the cable that is supplied in the box (using an alternative cable could damage either the remote or HQ) between the remote and the top "IN/REMOTE" connector on the unit - this will then become the master control and bypass any relevant front panel controls (see also 'Control Description: mute', and 'Safety Features').



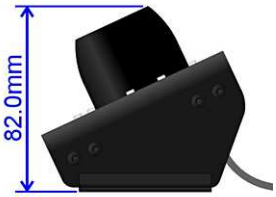
At no time should you directly connect "IN/REMOTE" of one unit to "IN/REMOTE" of another. Neither should you connect "THRU" of one directly to "THRU" of another.
Doing so could harm either unit and would negate warranty.

Several units can be linked together, to provide a distribution system, or a 5.1 / 7.1 surround setup with only one master control - to do this a standard CAT5e cable should be connected between the "THRU'" and "Link/Remote" connectors - the top "thru'" in the chain being the master. Ensure that all unit's are turned off when connecting.
Audio is not passed down the CAT5e cable, only the unit control, so each unit will require it's own individual input as selected via the "source" on the master unit - this source will be repeated for all units i.e. AUX1.

Note that in no way should the HQ, HQ-r or HQ-b ever be connected directly to any type of ethernet network (or similar) - it will in no way interact with the network, and may cause severe damage if done so.

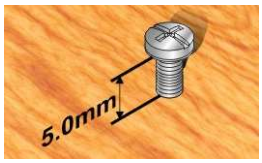
HQ-r REMOTE - INSTALLATION

The HQ-r Remote is a sturdy and compact control surface (having rubber bumpers down either edge and measuring 250w x 88d x 82h) to unobtrusively fit on any desktop.

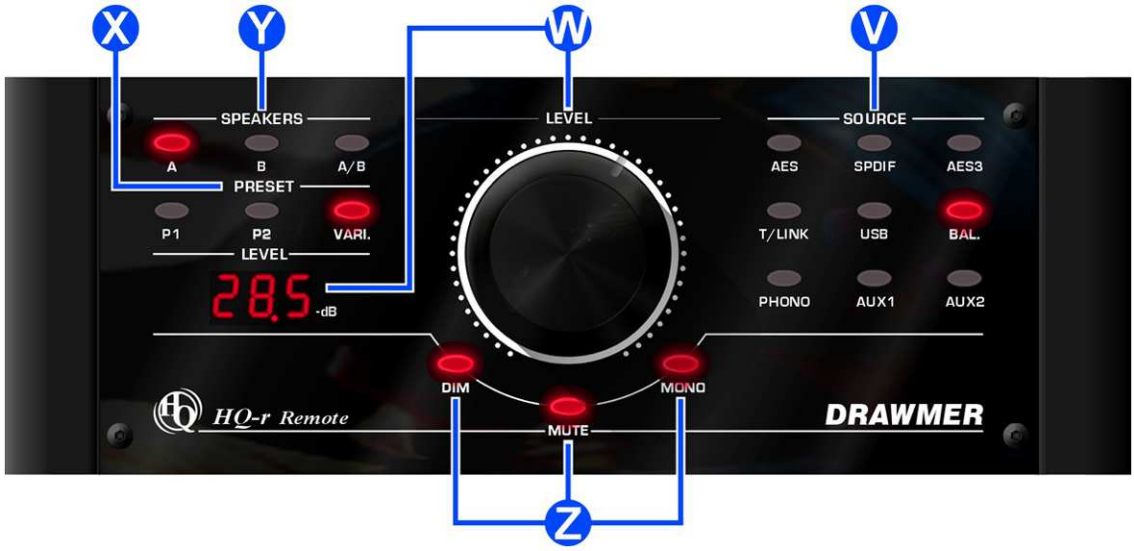


To connect the HQ-r fit a cat5e cable between the connector on the bottom side of the remote, to the 'IN/REMOTE' connector on the rear of the HQ or HQ-b. As well as the control the cable also provides the remote with power, so no batteries or mains connection is required. With the remote connected and functioning the 'remote' led will be lit on the front panel of the HQ or HQ-b to identify that they are being operated elsewhere.

The remote can be fixed to a desk to provide further stability via the the two holes on the bottom of the unit. Screw in to a desk two screws at a distance of 170mm apart and to a depth of 5mm to the shoulder, then slot the remote over the holes. Tighten as necessary. In addition, on each side of the unit are four M3 screws - the central ones of these can be removed from either side of the unit to provide a fixing point for additional brackets.



HQ-r CONTROL DESCRIPTION



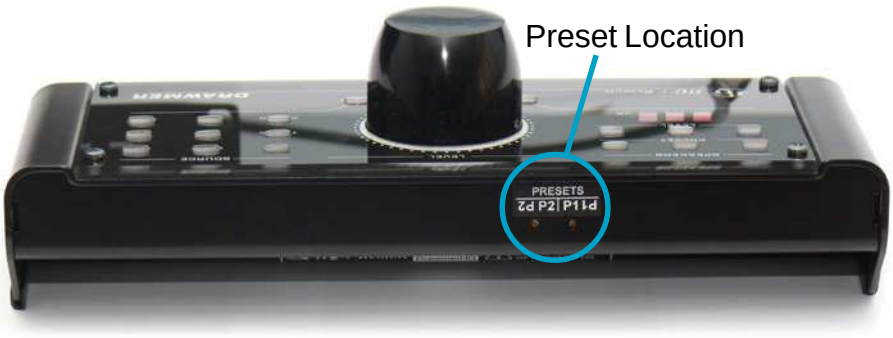
When plugged in the remote shifts the HQ and/or HQ-b up a gear by adding several useful features that are invaluable to the mastering studio and allows the HQ to be used as a fully comprehensive DAC/Monitor Controller:

V **SOURCE:**
On the right of the remote are nine illuminated switches that switch between the nine analogue and digital inputs on the rear of the HQ/HQ-b.

W **LEVEL:**
The same **precision relay volume control** as been incorporated into the HQ-r remote, as found on the main HQ unit, with an identical accurate channel balance of 0.05dB across the entire volume range, and the **Innovative (SilentRelay) volume management system,** that prevents the relay 'chattering'.
As with the HQ in the fully anti-clockwise position attenuation of >100dB occurs, this is lowered as the knob is rotated clockwise, turning the volume up, in 0.5dB steps, to a normal output level of +17dBu in it's full (unattenuated) position.
You should be aware that if used in conjunction with the input level trim, a maximum output level of +27dBu can be achieved, so should be used with caution.
Unlike the HQ the HQ-r also has a three digit seven segment display that shows the exact attenuation to the volume, accurate in 0.5dB steps, which is invaluable when recalling useful listening levels.

X PRESET:

Three illuminated switches are located left centre of the control surface titles P1, P2 and VARI.
When 'VARI' is pressed and illuminated the volume is controlled by the knob and increases/ decreases with rotation.
When P1 or P2 are pressed the volume level jumps to a predefined level, to enable the studio to operate at the volume that they prefer, for instance, to ensure that there is enough level in a mix - this level is altered via the two small potentiometers as located on the rear of the remote. Use a small screw driver to adjust whilst watching the level seen in the display.



Y SPEAKERS:

As with the HQ the HQ-r has the ability to switch through the A/B outputs on the rear, to provide A/B comparisons for example. The switches are as follows: 'A' (output A active, B mute), 'B' (output B active, A mute) and 'A+B' (both A and B active). To mute both the outputs see 'Mute'

Z OUTPUT:

DIM:

With the DIM button active the current output is attenuated to lower the overall output level to the speakers. This process varies according to the current volume level and will effect louder volumes more than quieter.

MUTE:

With the MUTE button active the output at the speakers is attenuated to -100dB. The switch is conveniently located at the front of the unit for easy, emergency access. When active the 'MUTE' led on the front of the HQ and HQ-b will also light to show that the unit is being controlled elswehere.

MONO:

With the MONO button active the signal is combined so that both outputs produce the same signal.

GENERAL INFORMATION

IF A FAULT DEVELOPS

For warranty service please call Drawmer Electronics Ltd. or their nearest authorised service facility, giving full details of the difficulty.

A list of all main dealers can be found on the Drawmer webpages.

On receipt of this information, service or shipping instructions will be forwarded to you.

No equipment should be returned under the warranty without prior consent from Drawmer or their authorised representative.

For service claims under the warranty agreement a service Returns Authorisation (RA) number will be issued.
Write this RA number in large letters in a prominent position on the shipping box. Enclose your name, address, telephone number, copy of the original sales invoice and a detailed description of the problem.

Authorised returns should be prepaid and must be insured.

All Drawmer products are packaged in specially designed containers for protection. If the unit is to be returned, the original container must be used. If this container is not available, then the equipment should be packaged in substantial shock-proof material, capable of withstanding the handling for the transit.

CONTACTING DRAWMER

Drawmer Electronics Ltd., will be pleased to answer all application questions to enhance your usage of this equipment. Please address correspondence to:

Drawmer (Technical Help line)
Coleman Street
Parkgate
Rotherham
S62 6EL
UK

Alternatively contact us by E-mail on :

for sales enquiries: sales@drawmer.com
or for technical issues: tech@drawmer.com

Further information on all Drawmer dealers, Authorised service departments and other contact information can be obtained from our web pages on:

http://www.drawmer.com